

U.S. Army Influenza Activity Report

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to enlarge.

Week Ending 31 March 2012 (Week 13)

All data are preliminary and may change as more reports are received.

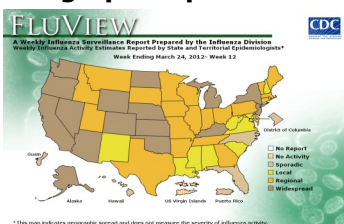
2011-2012 Seasonal Influenza Vaccination Coverage As of 04 APR 2012

97%	DOD
97%	Army Active Duty
92%	Army Guard
84%	Army Reserve

SYNOPSIS: Influenza activity appears to be decreasing and overall activity remains lower than last year.

- **Viral specimens:** During week thirteen, 138 specimens were submitted for testing, of which 41 were positive for respiratory disease. Influenza A was identified in 21 (51%) of these positive samples.
- **Influenza cases:** 683 influenza cases have been reported in DRSI through week thirteen of the 2011-2012 season. Forty-eight were reported with onset dates in week 13.
- **Outpatient ILI surveillance:** ILI activity continues to decrease; overall activity remains lower than last year.
- **Army MEDCEN & reporting trend:** RSV and Influenza A were the most commonly identified respiratory pathogens within the previous 4 weeks, accounting for 28% and 49% of positive specimens, respectively.

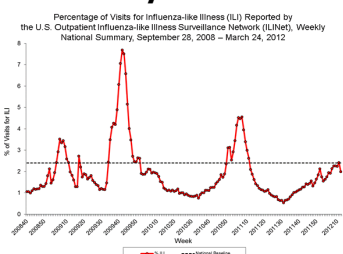
Geographic Spread



United States

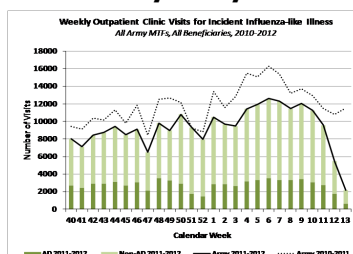
- Widespread influenza activity was reported by sixteen states (AL, AZ, CA, CO, KS, KY, MI, NE, NV, NJ, NY, ND, OK, OR, WA and WY).
- Twenty-one states reported regional activity (AR, CT, GA, ID, IL, IN, IA, ME, MA, MN, MO, MT, OH, PA, RI, SD, TN, TX, UT, VT and WI).
- Local influenza activity was reported by nine states (AL, LA, MD, MS, NH, NM, SC, VA, and WV).
- The remaining states and territories reported sporadic cases or no influenza.

ILI Activity United States



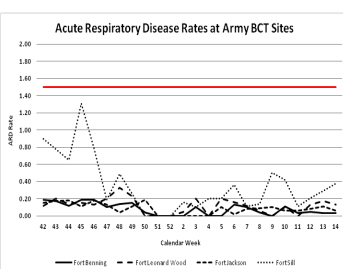
- For week twelve (2012), 2.0% of outpatient visits reported through ILINet were due to influenza-like illness (ILI).
- This percentage is below the national baseline of 2.4%.

ILI Activity Army



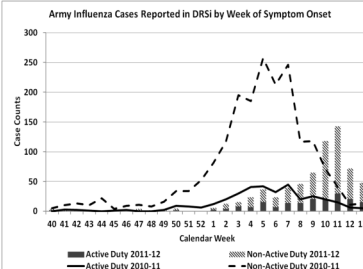
- Over the last four weeks, Army ILI outpatient visits were 39% lower than during the same time period of the 2010-2011 influenza season.
- Visit counts decreased sharply over the past two weeks; this is opposite the trend observed last year at this time and may be due to a data lag within ESSENCE.

Acute Respiratory Disease Surveillance



- ARDS rates are lower at all BCT sites for 2012 compared to 2011.
- According to the Naval Health Research Center, the proportion of febrile respiratory illness cases positive for adenovirus has noticeably decreased since the vaccine was reintroduced to the BCT population in November 2011.

DRSi Influenza Case Reporting

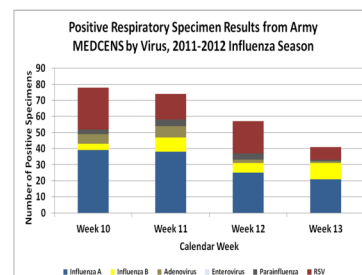


- 683 cases (48 with onset dates in week 13) have been reported in the 2011-2012 season.
- One-hundred eighty-nine (28%) cases were among active duty Soldiers and 4394 (72%) were among dependents.
- Forty-four (6%) cases required hospitalization.

Army Laboratory Testing

Army MEDCEN Laboratory Results					
Test Result	Week 10	Week 11	Week 12	Week 13	Total
Influenza A	39	38	25	21	123
Influenza B	4	9	6	10	29
Adenovirus	6	7	2	1	16
Enterovirus	0	0	0	0	0
Parainfluenza	3	4	4	1	12
RSV	26	16	20	8	70
Negative	307	395	221	97	1020
Total Results	385	469	278	138	1270

- In the last 4 weeks, 250 (20%) of the 1,270 samples submitted were positive for a respiratory disease organism.
- Of positive samples from the last four weeks, 28% were identified as RSV.
- Parainfluenza and adenovirus accounted for 5% and 6% of all positive samples in the last four weeks, respectively.
- Influenza A accounted for 49% of positive specimens in the last four weeks and 51% of positive samples in week thirteen.
- Six MEDCENs submitted reports for week thirteen (2012).



Additional Resources: CDC; AFHSC Influenza Reports; Army Influenza Reports; ARD Reports; NHRC FRI Reports ; DoD Global Influenza Surveillance Program; DoD Pandemic Influenza Watchboard

Key: ILI - Influenza-Like Illness; DRSI- Disease Reporting System Internet; ARD - Acute Respiratory Disease; NHRC - Naval Health Research Center; ADV - Adenovirus; RSV - Respiratory Syncytial Virus

Questions?

<http://phc.amedd.army.mil>